

**Amendments to the Specification:**

Please replace the paragraph that begins at page 6, line 17, with the following amended paragraph:

-- The present ~~inventor has~~ inventors have formed a Schottky electrode made of molybdenum or tungsten and performed a heat treatment. As a result, the present ~~inventor has~~ inventors have achieved the present invention by finding that the height of a Schottky barrier can be controlled to be the desired optimum value (the range of 1.0 to 1.3 eV) that enables the power loss to be minimized while maintaining an n-factor to 1.05 or a lower value. --